

# STM32L051C6T6

Data Sheet

ARM MCU, STM32 Family STM32L0 Series Microcontrollers, ARM Cortex-M0+, 32bit, 32 MHz, 32 KB, 8 KB

Manufacturers

STMicroelectronics, Inc

Package/Case

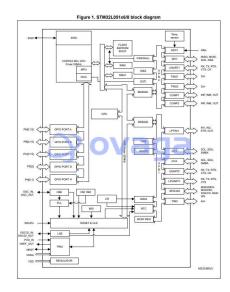
LQFP-48

Product Type

Embedded Processors & Controllers

RoHS

Lifecycle



Images are for reference only

Please submit RFQ for STM32L051C6T6 or Email to us: sales@ovaga.com We will contact you in 12 hours.

**RFQ** 

# **General Description**

Ovaga has a large stock of STM32L051C6T6 Embedded Processors & Controllers from STMicroelectronics, Inc and we guarantee that they are original, brand new parts sourced directly from STMicroelectronics, Inc We can provide quality testing reports for STM32L051C6T6 upon your request. To obtain a quote, simply fill in the required quantity, contact name, and email address in the quick quote form on the right. Our sales representative will contact you within 12 hours.

Figure 1. STM32L051x6/8 block diagram Temp SWD FLASH EEPROM BOOT ADC1 MISO, MOSI, SCK, NSS FIREWALL CORTEX M0+ CPU Fmax:32MHz RAM RX, TX, RTS, CTS, CK DBG DMA1 TIM21 NVIC EXTI BRIDGE INP, INM, OUT COMP1 INP, INM, OUT CRC BRIDGE IN1, IN2, ETR, OUT GPIO PORTA PA[0:15] LPTIM1 GPIO PORT B TIME PB[0:15] SCL, SDA, SMBA PC[0:15] < GPIO PORT C SCL, SDA, SMBA 12CZ PD[2] GPIO PORT D USART2 RX, TX, RTS, CTS PH[0:1] LPUART1 MISO/MCK, MOSI/SD, SCK/CK, NSS/ WS SPI2/12S LSI IWDG PLL RTC BCKP REG RESET & CLK WKUPx OSC32 IN, PVD\_IN VREF\_OUT -PMU NRST 4 VDDA = REGULATOR MS33389V2

VDD VSS PB9 PB8 BOOT0 PB6 PB6 PB6 PB6 48 47 46 45 44 43 42 41 40 39 38 37 36 VDDIO2 VDD 35 VSS PC13 □2 34 PA13 PC14-OSC32 IN II3 33 PA12 PC15-OSC32 OUT 4 32 PA11 PHO-OSC IN 5 31 PA10 PH1-OSC OUT 6 QFP48 30 PA9 NRST 17 29 PA8 VSSA 🗆8 28 PB15 VDDA □9 27 PB14 PA0 110 26 PB13 PA1 11 25 PB12 PA2 12 13 14 15 16 17 18 19 20 21 22 23 24 PA3 PA5 PA6 PA7 PB0 PB1 PB2 PB10 PB2 VSS MS34745V2

Figure 5. STM32L051x6/8 LQFP48 pinout - 7 x 7 mm

# **Related Products**



**STM32L151VET6** 

STMicroelectronics, Inc LQFP-100



**STM32F102C6T6A** 

STMicroelectronics, Inc LOFP48



#### STM32L452RET6P

STMicroelectronics, Inc 64-LOFP



#### **STM32F446VCT6**

STMicroelectronics, Inc 100-LOFP



## **STM32L152VCT6**

STMicroelectronics, Inc LQFP10014x14x1.4



#### STM32L476JEY6TR

STMicroelectronics, Inc 72-UFBGA, WLCSP



#### **STM32F429BGT6**

STMicroelectronics, Inc 208-LOFP



## STM32G071CBT6TR

STMicroelectronics, Inc 48-LQFP